

0723 AM

tunes

vert. scan

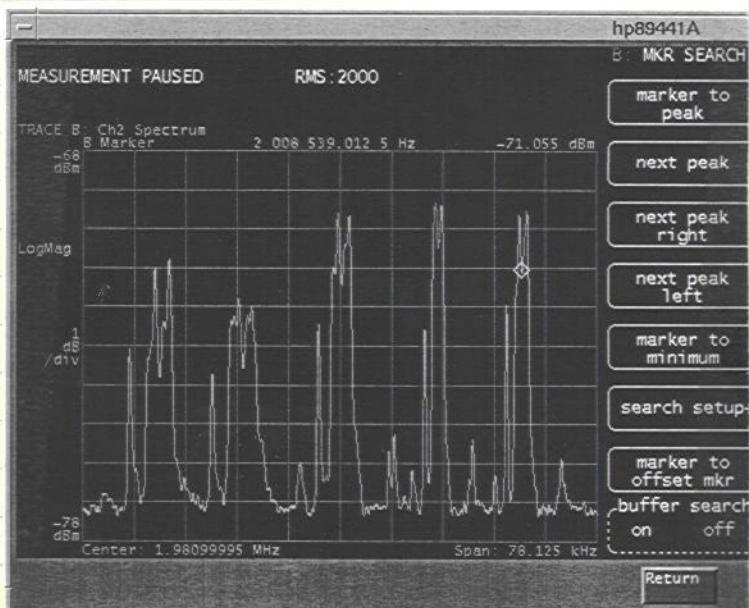
59

1980999
14454 1995453
27344 2008343
 $f_b \approx 77344$
 $g_H = .187$
 $g_V = .354$



Conclusions

1. Unbunched spectrum is extremely complicated and hard to interpret near injection.
2. After long store time beam settles down, intensity down, spectrum becomes sensible.
3. From settled beam one can find rev and ptron lines; looking at those locations in unbunched spectrum from first few minutes after injection gives no clear indication of rev or ptron lines.
4. Asymmetry is present in ptron line widths \Rightarrow small non zero ξ appears to be opposite sign for H & V



from linewidth

$$\frac{\Delta P}{P} = \frac{735 \Delta f}{3dB} \cdot \frac{n}{f_0 \cdot \tau}$$

$$\frac{\Delta P}{P} = 2.16 \times 10^{-4}$$

$$\xi = \frac{-735 \Delta f}{3dB} \cdot \frac{P_0 \Delta P}{P}$$

$$\xi_H \sim -60$$

$$\xi_V \sim -40$$

$$Q_x \sim 0.191$$